

CLAIMS

**WHAT IS CLAIMED IS:**

1. A seat sliding apparatus, comprising:
  - 5 a lower rail, said lower rail mountable to a vehicle floor;
  - an upper rail slidably received on said lower rail; a memory mechanism section;
  - a lock plate for releasably locking said upper rail to said lower rail;
  - and
  - 10 a walk-in mechanism section for locking and unlocking movement of a vehicle seat in a forward-and-backward direction through operation of said memory mechanism section and said lock plate, wherein said memory mechanism section is assembled to at least one substrate so as to be united.
- 15 2. The seat sliding apparatus according to Claim 1, wherein said memory mechanism section, further comprises:
  - an operation lever for operating said lock plate, said operation lever rotatably mounted on an axis fixing pin and fixed to said at least one substrate;
  - 20 a memory bracket holding said lock plate in an unlocked position, said memory bracket rotatably mounted on an axis fixing pin and fixed to said at least one substrate adjacent a free end of said operation lever;

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a memory holding pin for contacting and restraining said free end of said operation lever, said memory holding pin arranged to contact a portion of said free end of said operation lever and to extend through said memory bracket; and

5           said memory holding pin extending through a slide hole provided in said substrate and through a slide hole provided in said memory bracket, and said united memory mechanism section mounted and fixed to said upper rail by said axis fixing pin of said operation lever and said axis fixing pin of said memory bracket.

10           3.       The seat sliding apparatus according to Claim 2, wherein said axis fixing pin of said operation lever includes a collar section for positioning said operation lever adjacent a side of said upper rail.

15           4.       The seat sliding apparatus according to Claim 2, wherein said axis fixing pin of said memory bracket includes a collar section for positioning said memory bracket adjacent a side of said upper rail.

20           5.       The seat sliding apparatus according to Claim 2, wherein said slide hole in said at least one substrate is oriented in the direction of a line connecting said axis fixing pin of said operation lever to said axis fixing pin of said memory bracket; and

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said slide hole in said memory bracket is oriented on a slant relative to said line so that said memory holding pin can be moved to an unlocked side of said slide hole in said at least one substrate by rotary movement of said memory bracket.

5           6.     The seat sliding apparatus according to Claim 1, wherein said memory mechanism section is arranged in a space formed between a first substrate and a second substrate and said memory mechanism further comprises;

10                 an operation lever for operating said lock plate, said operation lever rotatably mounted between said first and said second substrate on an axis fixing pin fixed to said first and said second substrate;

               a memory bracket holding said lock member in an unlocked position, said memory bracket rotatably mounted between said first and said second substrate on an axis fixing pin fixed to said first and second substrate adjacent a free end of said operation lever;

15                 a memory holding pin for contacting and restraining said free end of said operation lever, said memory holding pin arranged to contact a portion of said free end of said operation lever and to extend through said memory bracket; and

20                 said memory holding pin extending through a slide hole in each of said first and said second substrates and through a slide hole in said memory bracket, so that said memory mechanism section is united, said first and said second substrates fixed to said upper rail.

<sup>3</sup> The seat sliding apparatus according to Claim <sup>1</sup> ~~6~~, wherein said slide holes  
in said first and said second substrates are oriented in <sup>a</sup> ~~the~~ direction of a line  
connecting said axis fixing pin of said operation lever to said axis fixing pin of said  
memory bracket; and

- 5        said slide hole in said memory bracket is oriented on a slant relative to said  
line so that said memory holding pin can be moved to an unlocked side of said slide  
holes in said first and second substrates by rotary movement of said memory  
bracket.